

I CLAIM:

1 1. A chair comprising:

2 a frame;

3 a main link having an inner end pivoted on the frame
4 about an inner axis fixed relative to the frame and an outer end
5 defining an outer axis parallel to the inner axis;

6 an outer arm having an inner end pivoted at the outer
7 axis on the outer axis of the main link and having an outer end;

8 a foot rest on the outer-arm outer end;

9 an inner wheel fixed nonrotatably on the frame at the
10 inner axis;

11 an outer wheel fixed nonrotatably on the inner end of
12 the outer arm at the outer axis;

13 connecting means connected to both of the wheels for
14 coupling same together for joint synchronous rotation; and

15 drive means for pivoting the main link about the inner
16 axis and thereby pivoting the outer arm about the outer axis.

1 2. The chair defined in claim 1 wherein the frame is
2 generally symmetrical to a central upright plane, the main link
3 lying generally on the plane.

1 3. The chair defined in claim 2 wherein the arm is
2 comprised of a pair of parallel arm elements offset from and
3 symmetrically flanking the plane.

1 4. The chair defined in claim 3, further comprising
2 a shaft on the outer axis fixed to the outer wheel and
3 having ends projecting from the link outer end and fixed in the
4 arm elements.

1 5. The chair defined in claim 4, further comprising
2 respective shield tubes fixed to the main link and
3 coaxially surrounding the shaft ends between the main link and
4 the arm elements.

1 6. The chair defined in claim 2 wherein the main link
2 is formed by a pair of confronting shells extending between the
3 inner and outer axes and forming a cavity holding the wheels and
4 the connecting means.

1 7. The chair defined in claim 6 wherein the main link
2 further has a bracket fixed between the inner and outer axes to
3 the shells, the drive means being connected to the bracket.

1 8. The chair defined in claim 1 wherein the drive
2 means includes an extensible actuator having one end pivoted on
3 the frame and an opposite end operatively engaged with the main
4 link between the axes.

1 9. The chair defined in claim 8, further comprising
2 a drive link pivoted on the opposite end of the
3 actuator and on the main link between the inner and outer axes.

1 10. The chair defined in claim 9, further comprising
2 a control arm having an end pivoted on the frame and
3 another arm pivoted at the opposite end of the actuator.

1 11. The chair defined in claim 1, further comprising
2 a shaft extending along the inner axis, the main link
3 being fixed at its inner end to the shaft; and
4 a pair of axially spaced arms fixed to the frame and
5 rotatably carrying the shaft, the inner wheel being fixed to one
6 of the pair of arms.

1 12. The chair defined in claim 1, further comprising
2 a footrest cushion; and
3 a releasable coupling securing the cushion to the outer
4 end of the main link.